

How to Use

Violet Rays



HALLIWELL ELECTRIC CO., Inc.

113-119 FOURTH AVENUE

NEW YORK CITY

What Violet Rays Are

THE Violet Ray High Frequency Current, is a new phase of electricity. It is called, or commonly called the "Violet Ray," is applied to any part of the human body without pain, muscular contraction or disagreeable sensation of any kind. The electrical oscillations representing the High Frequency Current follow each other with such tremendous rapidity that they outspeed our nervous sensibility, we do not become conscious of their presence, in other words, our nerves are insensitive to the electrical oscillations of the Violet Ray. The oscillations are so rapid that they exceed many hundred thousand repetitions per second. The Violet Rays are pleasing and though most stimulating and highly invigorating to the entire system, nerves or muscles cannot record the presence of their great power.

What Violet Rays Do

Violet Rays or High Frequency Currents benefit all living matter. Through the glass vacuum applicator light, heat, electric energy and ozone are created. These forces are uniformly potent in relieving and eliminating human ailments. Violet Rays present a remedy upon which we can rely. They are

positive and certain in action. They will reach where medicine does not and often cannot—yet they cause no pain, no disagreeable sensation or discomfort. They furnish a soothing relief. They destroy germs and have a strong power over infection.

Keep This in Mind

Do not be afraid of the Violet Ray High Frequency spray or discharge. It never harms. It causes no shock. Use Violet Rays freely so you may familiarize yourself with their peculiar nature.

Violet Rays grow in their usefulness the more you study their action and effect. Make it clear to yourself what you wish to accomplish. If you want a soothing effect, don't apply a strong spray by holding applicator distant from the part to be treated; make a close contact instead with the bare skin. If you wish stimulation treat through the clothing with a current strong enough to reach your tissues. If you desire a tranquilizing effect to quiet the nervous system, do not use a current strong enough to cause irritation. If you actually want to destroy a wart or small growth, you must use an escharotic spark from a sharp point in order to obtain a cauterizing effect. Let these be the guiding principles to you and the result in the use of the Violet Rays will be surprising.

Many people, after stopping their treatments for many weeks and even months, report continual increase in health and strength. As a matter of fact, the greatest benefit comes after the course of treatment is over. This answers the question often asked as to whether the treatment does not have to be kept up indefinitely.

Different Effects Obtainable

The treatments can exert different effects according to their way of administration.

First—They can be sedative or quieting. You can charge your entire body with the Violet Ray high frequency current. You can electrify yourself completely. You can calm painful sensations by sedative treatments; besides sedative action is strongly constitutional in its effect. Sedative treatments are of great benefit in all nervous ailments. They tranquilize your nerves. Sedation can be produced locally by keeping the applicator in close contact with the part to be treated. Nervous troubles are quickly and most beneficially influenced by the sedative current. A general electrification treatment refreshes the entire nervous system.

Second—They can be stimulative. Stimulation is produced whenever an electrode is somewhat lifted during the application or

used through clothing or cloth. This stimulation is caused by the many small sparks called the High Frequency Spray. They bombard the area which they cover, causing a tingling but pleasant sensation. They have a beneficial heating effect, too. Besides they generate ozone. Particles of this ozone are driven right into the tissue, causing the ozonization of the blood. Sparks are also germ-killing and have a great power over infection.

How To Treat With Violet Rays

The following instructions are written in the simplest way possible. They will give excellent results, if properly followed.

Abscesses—Use electrode No. 1 and keep it in close contact with the skin. Use enough current to get the effect of the heat generated. Duration of treatment 7 to 10 minutes, repeated daily or twice a day, if necessary. If applied to a developing abscess, its growth can be arrested.

Acne (Pimples)—This distressing condition, so common in young people, is one in which quick and permanent relief may be obtained by the use of a short spark. Use electrode No. 1 and treat the entire surface for about 6 minutes. About the nose and other

sharp angles a smaller electrode (No. 1a or 1b) is more desirable. Where blackheads are deeply imbedded in the tissues, results may be had by using a very mild fulguration spark (electrode No. 20), thus softening the imbedded mass and permitting of its easy removal. Steaming the face previously will be found helpful. As in abscess the diet should be carefully regulated, rich and greasy food should be avoided and the bowels kept in a healthy condition.

Alopecia (Loss of Hair)—Use a weak current at first, and increase to a medium strength later on, with electrode No. 3 or 3a. Pass the comb back and forth over the entire scalp for about four minutes every day. Use the same treatment for baldness due to sickness and for gray hair in order to restore it to its natural color.

Alcoholism and Drug Addictions—In alcohol, morphine or opium habits, apply a strong current over liver, solar plexus and spine, for 6 to 8 minutes daily. In cocaine habits use a mild current to the soles of the feet, arms and legs until reddening results. All these applications should be made through some interposed towel or clothing. Never apply current through shoes. Short sparks are best for all treatments in these cases.

Anemia and Chlorosis—Treat chest, abdomen, back and spine, covering the whole as thoroughly as possible, with electrode No. 1 for from 8 to 10 minutes three to six times per week. High Frequency currents increase the oxygenation of the blood and hence are as effective as iron tonics. Ozone inhalations are very helpful; in fact, are of the utmost value in these cases. Use Ozone Generator No. 28.

Arteriosclerosis and High Blood Pressure—Daily treatments of about 8 minutes' duration will serve to lower the blood pressure. As the blood approaches normal, the treatments may be reduced to three a week, then to twice a week. A treatment every week or two should be maintained for some time in order to be sure of the permanency of results. Apply electrode No. 1 or No. 2 over the body generally, using a medium current strength.

Asthma—In asthmatic conditions, if the disease is of long standing, the best results may be obtained through the use of the Ozone Generator, electrode No. 28. Choking and coughing fits will generally be promptly alleviated by these means. A local auxiliary treatment may also be used for a sedative effect by a gentle massage over the area with the surface electrode No. 1 and mild current.

Also apply electrode No. 5 to throat glands for about 6 minutes.

Ataxia—Use as sharp sparks as you can tolerate, along the spine, over buttocks, abdomen and to the back of the legs. Apply electrode No. 1 or No. 4. Daily treatments lasting about 10 minutes necessary at first. They can be gradually decreased with the progressing improvements to about two a week.

Backache—Treat sore muscles with electrode No. 1. This will relieve pain. As backache may be due to weakness of the bladder or sexual organs, lumbago, rheumatism, kidney disease, it is important to treat the cause as well.

Barber's Itch (Sycosis)—First cleanse the infected area with warm water and castile soap, and a mild antiseptic wash. Treat then with mild current from the surface electrode No. 1 in close contact, followed by a short spark till counter-irritation is produced. The condition is stubborn and may require extended treatment.

Bladder Disease (Cystitis)—The effect of vacuum tube treatment through the rectum or urethra is remarkable in inflammation of the bladder. Treatment lasting 7 minutes should be given daily at first and then every other

day. It is remarkable how fast the urine clears up in nearly all of these cases. Use electrodes Nos. 1, 2 or 2a.

Blackheads—See Acne.

Bronchitis—Short sparks applied with electrode No. 2 or 2a over the chest and back, until they are well reddened, will give relief. This treatment may be repeated every hour until a sufficient moderation of congestion is obtained. More important than the high frequency application is to ozonize the air by means of electrode No. 28.

Brain Fog—Use applicator No. 1 over the forehead and eyes and to the back of the head and neck with a spark just strong enough to have a good tonic effect. In all cases, 2 or 3 minutes' inhalation of ozone (electrode No. 28) is desirable.

Breast Development—Cover the entire area to be developed in your treatment. Use electrode No. 1 for about 5 to 8 minutes daily. Move it lightly over each side, from the neck downward and also from arm pit to arm pit, under each breast, pressing lightly upward.

Bright's Disease—Apply with electrode No. 1 over the region of the kidneys a strong current for at least 10 minutes every day.

Bruises—Treat with electrode No. 1 over injured area. First with close contact and later with gradually increasing spark. Use High Frequency lubricant.

Bunions—Electrode No. 1b or No. 24, using a fairly strong current, should be applied directly over the inflamed area followed by a gentle spark.

Callouses—On calloused areas on the foot a mild fulguration spark obtained from the fulguration electrode No. 20 will soften the hardened tissues so that they can be readily removed. If a resultant soreness follows, treatment over the area with the surface electrode No. 1 in direct contact with the skin will afford relief.

Cancer—Mild forms of cancer are treated with a strong spark. Use electrode No. 20. Surgery is usually required in conjunction. Consult authority.

Canker—A medium current for one or two minutes should be applied with electrode No. 10 or No. 15 or any suitable dental electrode.

Carbuncles—Use applicator No. 1 in loose contact with the inflamed area and pass it back and forth over it for ten to fifteen minutes. This will relieve pain and promote an early ripening of the carbuncle. Electrode No. 32 is also very convenient.

Catarrhal Conditions—In catarrh of the nose and throat the ozone generator No. 28 is of great value and should be used two or three times daily for about 5 minutes at a time, followed by treatment in the nostrils with the nasal electrode No. 16 or 29 with mild current for about 3 minutes. Care should be used that the current is not turned on until after insertion of the electrode.

Cataract—Five minutes daily treatments with electrode No. 18 with not too great an intensity of current; applicator in contact with closed eye-lids.

Chafe—Use Lubricant, followed by a medium current with electrode No. 1 for 5 to 6 minutes in close contact with skin.

Chapped Hands or Face—Apply Lubricant first. Then use a weak current with No. 1 electrode for two minutes in contact with skin.

Chilblains—Use electrode No. 1 for 6 to 8 minutes in contact with the skin. It may be held steadily over the chilblain or moved slowly about as desired. Repeat daily or every other day until cured.

Cold Hands or Feet—This being due to improper circulation in the extremities relief may be obtained by a gentle spark over their

surface, gradually increasing until a slight redness appears and sense of warmth prevails. Use electrode Nos. 2 or 2a. Repeat often, if necessary three times a day.

Colds—Cold in the head will be benefited by inhalation from ozone generator (electrode No. 28), followed by mild current through nasal electrode Nos. 16 or 29. The surface electrode No. 1 may also be used over the antrum, mastoid region, and back of neck. See also Bronchitis.

Cold in Lungs—Treat the chest and back. Follow instructions given under Asthma. Take ozone inhalations repeatedly for several minutes. Electrode No. 28.

Constipation—Relief may be obtained by a thorough downward massage over the abdominal region with a surface electrode No. 1 applied first directly on the skin and followed by short spark over the same area. Ten minutes daily is advised first, later dropping to two or three times a week. If the constipation is particularly stubborn, peristaltic action will be stimulated by means of the insertion of an insulated rectal electrode (Nos. 14, 14a, 14b), properly lubricated, for a period of 4 to 6 minutes. The current should be applied after insertion.

Corns—Hard corns may often be entirely removed by the application of the fulguration electrode No. 20, care being used to apply the spark particularly upon the hard tissue and not on the surrounding area.

Dandruff—Shampoo the scalp before treatment, dry it thoroughly and apply a medium current, with applicator No. 3 or 3a, using it in the same manner as an ordinary comb; 3 to 5 minutes are sufficient. Repeat this treatment at intervals of 2 to 3 days. Do not use any hair tonic.

Deafness—Unless the drum of the ear is ruptured, chronic deafness may generally be relieved and in many cases entirely cured by high frequency treatment. The ear electrode No. 11 should be used for about 4 minutes. The gentle stimulation thus afforded to the delicate aural nerves and the mild massage of the drum will sometimes result in an immediate improvement in hearing. As a further treatment the surface electrode may be applied over the mastoid region for 4 or 5 minutes with a gentle, mild current.

Diabetes—Apply electrodes Nos. 1 and 2 over the abdomen, and if proper diet is observed, results will be quickly obtained. Apply a strong current for about 8 minutes through a thin towel twice a day.

Diphtheria—Apply to inside and outside of throat with electrode No. 10 and No. 15 respectively. Ozone inhalations have proven most beneficial (Ozone Generator No. 28).

Dyspepsia—Apply surface electrode No. 1 over stomach and solar plexus. The general tonic effect of ozone inhalations makes it a useful adjunct.

Earache—Is frequently relieved by application of the ear electrode No. 11, using a mild current for from 3 to 7 minutes. Applications to the back of the ear and over the side of the face covering the facial nerve with electrode No. 1 assist this treatment greatly.

Eczema—A handkerchief or gauze laid over the surface will cause a slight spark and is preferable. If the skin itches hold the electrode slightly away from the surface. This will relieve and gratify.

Eye Diseases—Iritis, retinitis, atrophy of optic nerve, conjunctivitis, trachoma, glaucoma, incipient cataract, paralysis of ocular muscles, intro-ocular hemorrhage have all been treated by high frequency currents. Close eyelids and apply a mild current with electrode No. 18 or 22 for short periods, not exceeding 3 minutes at one time.

Felons—Treat with No. 1 electrode and a mild current in close contact daily from 4 to 6 minutes.

Female Troubles—Use electrodes Nos. 7, 8 or 13. They should be lubricated before insertion. Turn the current on after insertion of electrode and turn the current off before removing the electrode to avoid unnecessary sparking. A medium current for 5 minutes is applied. Repeat treatment as circumstances require. During menstruation an excessive flow of blood may result, as High Frequency currents draw the blood.

Fistulas—Use electrode No. 14, 14a, 14b and 31 as indicated. Lubricate electrode before insertion into rectum. Use a medium current for about 5 minutes daily.

Flabby Breast—A stimulating application with the surface electrode to the relaxed nipple of the flabby breast will immediately show its beneficial effect.

Freckles—Several weeks treatment will be required. Use electrode No. 1 daily from 4 to 6 minutes with a medium current.

Frost Bites—Treat affected part with No. 1 electrode, using a mild current for from 5 to 7 minutes.

Forunculosis—Treat with No. 1 electrode. Mild or medium current strength. Inflammation ceases quickly.

Goitre—The absorption of tissue being necessary, treat with external throat electrode No. 5 in close contact with the skin and follow with moderately sharp spark all over the surface and sides of the protuberance. Persistence in this treatment is necessary.

Gout—This condition may be helped by a continued massage over the area with a surface electrode and a mild current. Pain may be felt at first. If so, begin with short treatment and increase. Do not treat during acute attack.

Gray Hair—The natural color of hair can often be restored by patient treatments with electrode No. 3 or 3a. See under Alopecia. Sometimes several months are required for first results. Keep the scalp clean. Use a current of sufficient strength for good stimulation every day once or twice.

Grippe (Influenza)—Cover spine, solar plexus, over eyes and sides of nose. Inhalations from Ozone Generator (No. 28) will greatly aid. Intra-nasal applications by electrode No. 16 or 29 is also beneficial.

Hay Fever—Apply electrode No. 1 over the nose and the spine and No. 28 in nostrils. It is advisable to anticipate the trouble and begin before discomfort is felt.

Headaches—Headaches are from varying causes. If relief is not had from applying to the seat of pain, cover the spine and stomach. Apply No. 1 electrode.

Hives and Rash—Use electrode No. 1 with medium current strength to affected area. Use High Frequency Lubricant before applying the electrode; 3 to 5 minutes should be sufficient. Repeat daily.

Hemorrhoids—Use insulated rectal electrode No. 31 with mild current for about 4 to 6 minutes, care being observed that the electrode is properly lubricated and that current is not turned on until after insertion.

Insomnia—Cover back of head, neck and eye brows in order mentioned. Use electrode No. 1; a strong current is essential in treating this ailment.

Leucorrhea—Follow the directions given under female troubles. Also use electrode No. 4, moving it up and down the spine slowly. A strong current must be used for about 5 to 6 minutes daily.

Lumbago—Since the object is to relieve pain, continue the treatment over painful area until all pain is dispelled. Use electrode No. 1 and as strong a current as can be tolerated. Repeat treatment whenever pain reappears until cured.

Massage—Let patient hold metal electrode No. 6 in one hand, turning on current after it has been grasped. Masseuse's fingers will draw sparks to point massaged. High Frequency lubricant is excellent for massage.

Mumps—Treat the swollen parts with a medium current and electrode No. 1, keeping it in contact for about 5 to 8 minutes. Repeat as necessary, at least once a day.

Nervousness—Treat the spine, back of head and neck with a mild current, using electrode Nos. 1 and 4. Immediate results are felt in all cases. Use a weak current at first and increase the strength gradually; 5 to 8 minutes is the average duration of treatment.

Neuralgia—Apply to seat of pain, raising electrode occasionally to produce spark. First apply High Frequency lubricant. Apply with No. 1 electrode; time of treatment 5 to 10 minutes.

Neuritis—The first few treatments usually increase the pain, after which relief is felt, and

Condensed Directions for Treating Ordinary Ailments

All applications as described below can be taken with the surface applicator No. 1.

HEADACHES: Apply to 3-4, 6, 7, 2, 17, 5

INDIGESTION: Apply to 3-4, 25, 2, 5.

CONSTIPATION: Apply to 3-4, 23 and 24.

NERVOUSNESS: Apply to 16 and move slowly up and down entire spine covering 16-17-5-13-12, treat back of head 31-31, treat also 3-4, 23, 22, 21, 28-30, 11-18 19 and 20.

INSOMNIA: Apply to soles of feet 20, over 3-4, 8-9, 2 down to 13.

NEURALGIA OF THE FACE: Apply to 10 (front of ear) and cheeks.

DEAFNESS: Apply to 31 (back of ear) and use electrode No. 11 inside of ear.

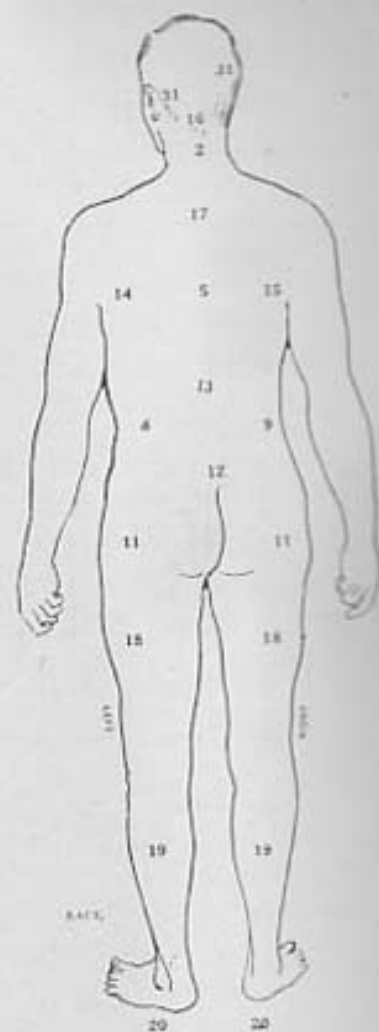
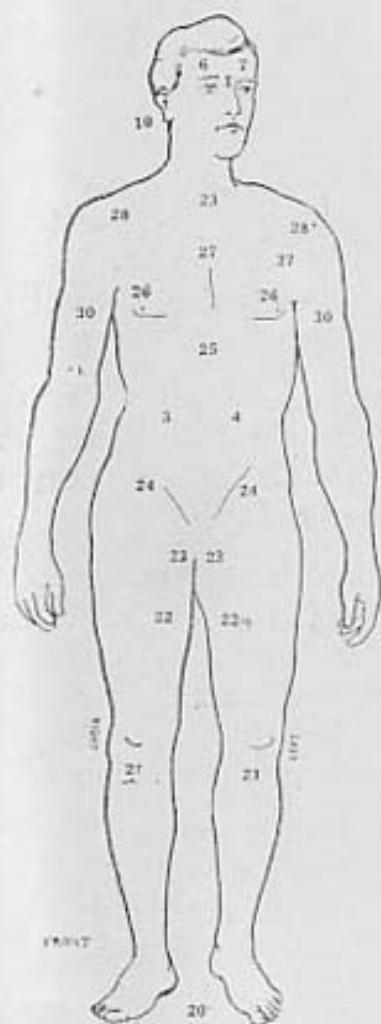
RHEUMATISM: Apply to seat of pain and to 3-4, 8-9.

WEAK LUNGS AND TO DEVELOP CHEST: Apply to location of lungs every day three times for several minutes and from 26-26; breathe deeply during application and inhale ozone through ozone generator.

SALLOW COMPLEXION: Improve your digestion by applications to 3-4, also take facial applications.

FALLING HAIR, DANDRUFF, GRAY HAIR AND PREMATURE BALDNESS: Use applicator No. 3 or No. 3a and cover entire scalp during treatment.

HOARSENESS AND TO IMPROVE VOICE: Apply to 23 and entire throat



the current may be increased and a short spark given. Apply at the seat of pain with surface electrode No. 1.

Obesity—Use electrode No. 1 and apply to affected parts and treat consistently. Begin with a medium current and increase to full power. Rigorous diet, exercise and personal hygiene must of course be observed.

Pains—Apply at seat of pain until relieved with current and method to give best results. Use electrode No. 1.

Paralysis—Treat paralyzed muscles, employing a current strong enough to produce a half or three-quarter inch spark. Part of the time keep the applicator in contact with the skin and part of the time raise it above the surface to get the effect of the spark.

Piles—See Hemorrhoids.

Pimples—See Acne.

Poison Ivy—Apply High Frequency lubricant first. Use No. 1 electrode or No. 2 and 2a edgewise so as to cause plenty of sparking over the whole affected area. Lift the applicator here and there and treat with a strong current for from 3 to 5 minutes.

Prostatic Diseases—This most distressing ailment, common to so many men of middle

age, is one in which the High Frequency current is almost a specific. The treatment indicated is with the prostatic electrode No. 9.

Pyorrhea—Applications with any suitable dental electrode with a weak or medium current help greatly to re-establish a healthy condition of the gums. A dentist should be consulted. High Frequency treatments promote proper nutritional improvements and in addition to this have antiseptic and antitoxic properties.

Red Nose—Use preferably electrode No. 1a and apply for only short periods, say about 2 minutes, small sparks by holding the electrode edgewise or lifting it somewhat about one-eighth of an inch. The object is to destroy the enlarged veins. The treatment must not be carried too far at one time. It should be repeated as the condition permits. Several days' rest between treatments may sometimes be advisable.

Rheumatism—High Frequency currents are of exceptional value in muscular and in chronic articular rheumatism. The pain will be relieved by application of the surface electrode with massage, using lubricant, if necessary. Follow with fairly strong spark until pronounced redness is produced. This treatment persistently followed has in many cases resulted in a permanent cure. While relief

may be obtained sometimes in one treatment, a permanent cure may require much time and patience.

Ringworm—Use electrode No. 1 and apply short sparks for several minutes two or three times every other day. A medium current is sufficient. Move the electrode so as to cover the entire affected area.

Scars—If the tissue is hardened or callous its removal may be facilitated by the application of a mild spark through the fulguration electrode No. 20.

Sciatica—Treat with a sharp spark along the course of the sciatic nerve until a redness is produced. Use electrode No. 1 or No. 2.

Skin Diseases—Treat over the affected tissues with the surface electrode held in close contact for from 5 to 15 minutes. Follow by moderate spark 3 to 5 minutes. Treat once daily. If the skin is moist, talcum powder should be used so that electrode will not stick. See also Acne and Eczema.

Sore Feet and Stone Bruises—Applications with any suitable applicator in close contact with the skin bring quick relief. Use High Frequency lubricant and treat for several minutes.

Sore Throat—Electrode No. 5 is best suited for external throat applications. Hold directly against the skin with fairly strong current. The use of the Ozone Generator No. 28 for several minutes following may also be of benefit.

Sprains—The pain and soreness following a sprain may be alleviated by treatment, first with the surface electrode in contact with the skin and later by a mild spark, gradually increasing in strength until a hyperemia is produced.

Stiffness of Joints and Muscles—This condition is generally due to the over-employment of certain muscles previously little used. The resulting stiffness and soreness may be relieved by the use of the surface electrode, followed by a mild spark.

Tonsilitis—See Sore Throat.

Ulcers—Apply a strong current with No. 2a or No. 2 electrode for 5 minutes in contact, lifting applicator once in a while to produce sparks of at least one-quarter inch. Repeat daily.

Warts and Moles—These disfigurements, no matter of how long standing, may be most successfully treated by the application of a spark through the fulguration electrode No.

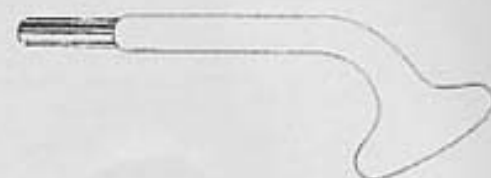
20. The greatest care must be exercised that these sparks do not come in contact with the surrounding tissues. Permanent results may be expected, and even the most disfiguring warts or moles may be removed without leaving a trace by these means.

Whooping Cough—Apply No. 1 electrode in the same manner as explained under Asthma and use also Ozone Inhalations with the Ozone Generator No. 28.

Writer's Cramp—Treat with gentle spark over the affected fingers and thumb, also massage with surface electrode over palm of the hand.

Wrinkles—Are commonly caused by using a given set of facial muscles more than normally. They can be removed by applying electrode No. 1 right over them with a rotary, massaging movement. High Frequency current revitalizes tired muscles and arrests the blighting marks of time.

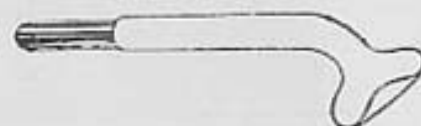
Electrodes and Accessories



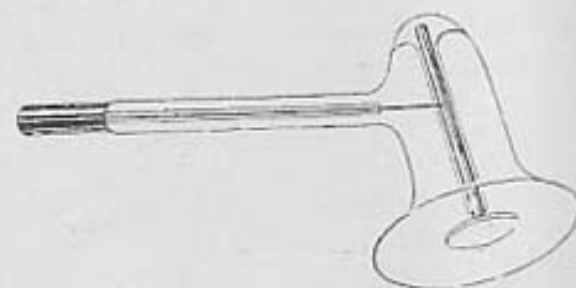
1 Standard Surface, \$1.00.



1A Small Surface, \$1.00.



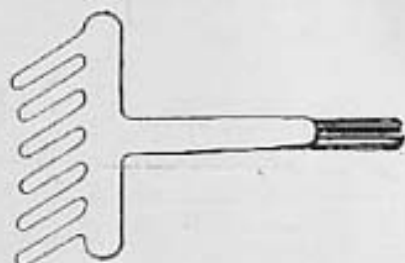
1B Small Surface, hollow shaped, generates ozone within cavity and fits nicely over certain parts as cheek-bones, chin, etc., \$1.00.



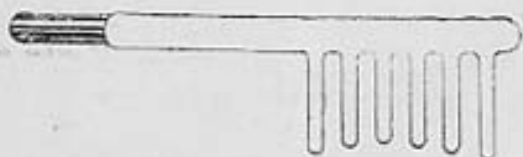
2 Large condenser electrode, delivers a very strong current, especially recommended for treating rheumatism, lumbago, etc., \$3.50.



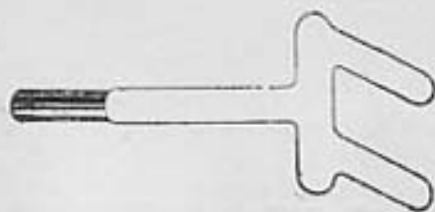
2A Small condenser electrode, delivers a strong current, used whenever deep regions are to be reached, \$2.50.



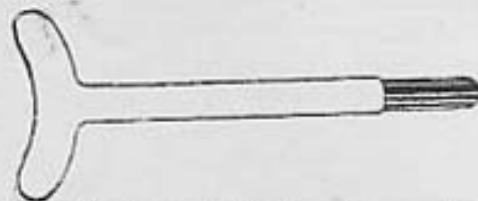
3 Large comb electrode for scalp treatments, \$2.00.



3A Small comb electrode for scalp treatments, \$1.75.



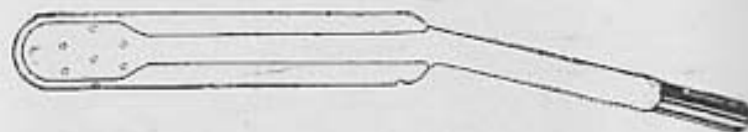
4 Spinal electrode, \$2.00.



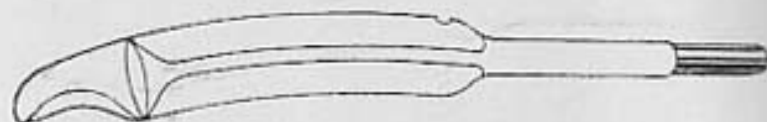
5 External throat electrode, also excellent for neck, \$1.00.



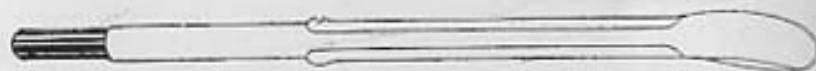
6 Metal handle, used in giving the indirect treatment, \$1.25.



7 Insulated vaginal electrode for generation of ozone within vagina, \$3.00.



8 Insulated vaginal electrode, \$2.00.



9 Insulated prostatic electrode, \$2.00.



10 Insulated internal throat electrode, \$2.00.



11 Insulated ear electrode, \$2.00.



12 Insulated urethral electrode, \$2.00.



13 Plain Vaginal, \$1.00.



14 Plain Rectal, diameter $\frac{5}{8}$ in., \$1.00.



14A Plain Rectal, diameter $\frac{3}{4}$ in., \$1.00.



14B Plain Rectal, diameter $\frac{5}{8}$ in., \$1.00.



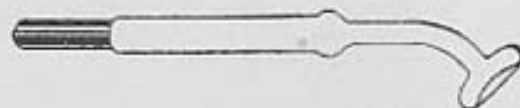
15 Plain Internal Throat, \$1.00.



16 Plain Nasal Electrode, \$1.00.



17 Plain Urethral, \$1.00.



18 Single eye electrode, also used for corns, \$1.00.



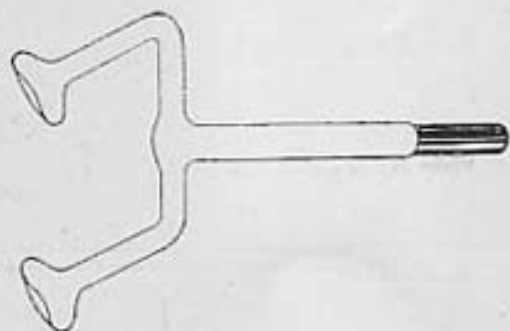
19 Insulated spatulum or tongue electrode, \$2.00.



20 Fulguration electrode, for removal of warts, moles, diseased growths, etc., \$2.50.



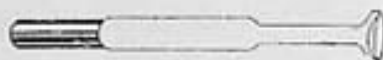
21 Plain vacuum electrode, good for many uses, as for instance for treatment of the vocal cord, over the ovaries, as handle for indirect applications, \$1.50.



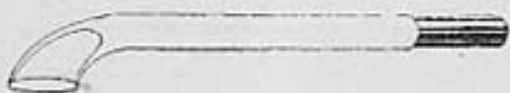
22 Double eye electrode, \$2.00.



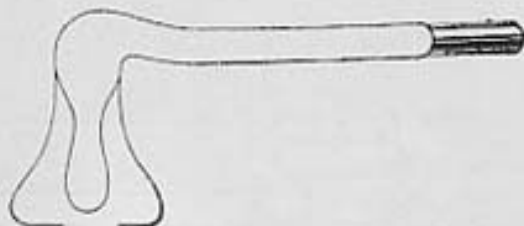
23 Eyelid electrode, \$1.25.



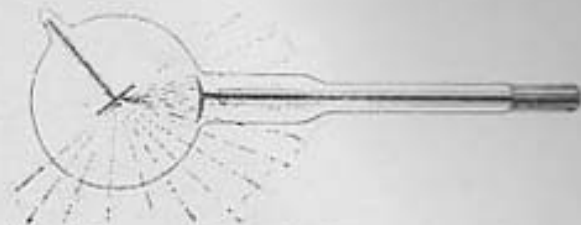
24 Corn electrode, \$1.00.



25 Small kataphoric (cocaine) electrode; medicated cotton can be inserted into aperture and the high frequency current applied through the medicated contents. Small particles of the medicament are driven into the tissue by molecular bombardment. The effect is purely local, \$2.50.



26 Large kataphoric electrode, to be used in the same way as electrode 25, \$4.50.



27 Actinic ray electrode for treatment in acne vulgaris, ringworm, lues, etc. Develops sufficient X-rays to cause actinic or chemical ray effect, \$10.00.



29 Insulated nasal electrode, \$2.00.



30 Metal Knob, for application of high frequency currents with faradic sensation, for spinal applications to cause reflex action and to locate motor-points, \$1.75.



Lubricant, 8 ounce bottle, \$1.00.

No. 28. Ozone Generator, complete with inhalant and pressure bulbs, nose and mouth piece, \$10.00.



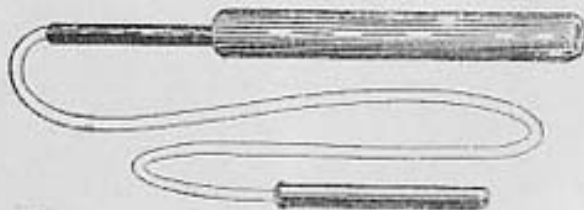
- 31 Insulated rectal electrode (made in three different diameters), $\frac{5}{8}$ in., $\frac{3}{4}$ in., $\frac{7}{8}$ in., \$2.00.



- 32 Puncture electrode, \$1.00.



- 33 Insulated electrode, covers small area, for pimples, etc., \$2.00.



- 34 Insulated special attachment. This attachment is used by specialists or dentists mostly in connection with any high frequency generator. It allows an easy manipulation of delicate applicators, as it is very small and light in weight. The metal connector is inserted into the high frequency instrument, the electrode into the hard rubber handle. The connecting cord, which is well insulated, is three feet long, \$3.50.



- 35 Dental electrode straight bulb, \$2.00.



- 36 Dental electrode hollow bulb, \$2.00.



- 37 Dental electrode ball shaped bulb. Price \$2.00.



- 38 Dental kataphoric (cocaine) electrode. Price, \$2.00.



- 39 Dental abscess electrode. Price \$2.00.



- 40 Dental electrode for gum treatments. Price \$2.00.



- 41 Dental electrode for gum treatments. Price \$2.00.



- 42 Dental electrode for spotting certain areas.
Price \$2.00.



- 43 Dental electrode for inside of jaw. Price \$2.00.



- 44 Dental electrode for front gum treatment.
Price \$2.00.



- 45 Dental fulguration electrode. Price \$2.00.



- 46 Dental electrode for gum treatment inside of
jaw. Price \$2.00.



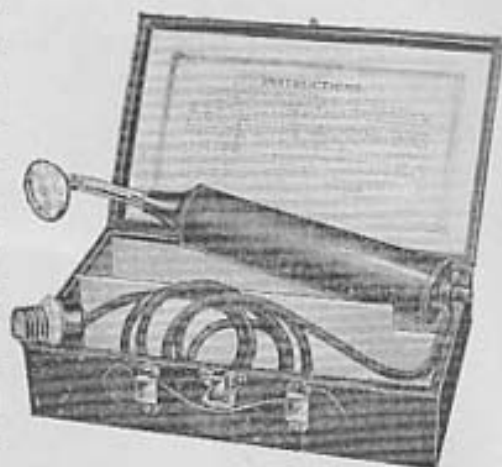
- 47 Dental electrode for gum treatment left side of
jaw. Price \$2.00.



- 48 Dental electrode for gum treatment right side of
jaw. Price \$2.00.

No. 1. "Halliwell" Home Outfit.

A self-contained one-piece Violet Ray machine, simple in construction, easy to operate, *designed and improved by the originator of this type of apparatus.* This new model presents in all details the most perfect product of its



kind. For alternating and direct current. The Home outfit includes the "Halliwell" Generator, a general applicator, six feet of cord with attachment plug and instruction chart, all contained in an elegant imitation leather carrying case. Price, formerly \$25.00, **\$12.50** now.

No. 5. "Halliwell" Home Outfit. A two-piece Violet Ray Machine, for home and professional use. This Violet Ray Generator is the most up-to-date and perfect product of the electrical art. It is very beautifully made up in all details and its construction is entirely different from other instruments. It produces two different kinds of Violet Ray discharges of high and low frequency, an important feature, especially to professional people. The instrument case is finished in light mahogany. A special feature of this Violet Ray machine is its adjustment, a

new mechanism originated by a well-known inventor of many improved Violet Ray products.

The Outfit consists of the "Halliwell" Violet Ray Two-piece Generator in elegant mahogany, 7 feet, silk connecting cord, separable, light-weight and spark-proof handle with 7 feet of spark-proof cord, a general appli-



cator, a comb rake applicator for Scalp Treatments, instruction chart, and a very elegant velvet lined, imitation leather covered carrying case with separate compartments for applicators, which are neatly held in place by special clamps. Price formerly **\$35.00**
\$45.00, now